

# OFF GRID Hybrid Inverter

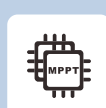
## 6.2KW PV 60-500Vdc

### Features

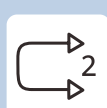
- Dual output for smart load management
- Lithium battery activation function by PV or Utility
- Compatible work with LiFePO4 battery via RS485
- PV Input 500Vdc Max
- Built-in MPPT 120A
- Capable to work without battery
- Detachable dust cover for harsh environment
- Wifi remote monitoring optional
- Support multiple output priority: UTL,SOL,SBU,SUB
- EQ function to optimize battery performance and extend lifecycle



RS232 / RS485



120A MPPT



Dual Outputs



WiFi Optional



PV 60-500Vdc

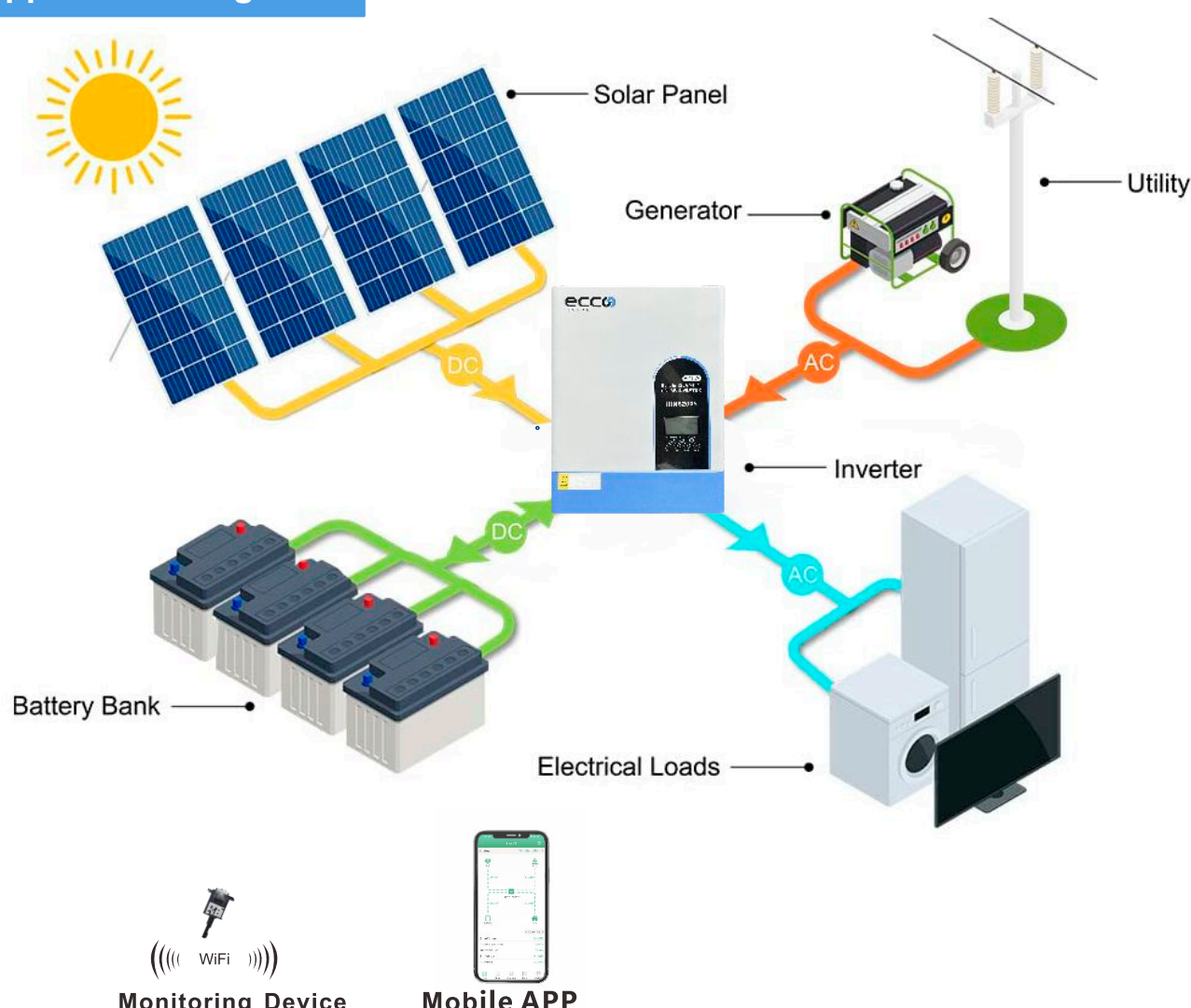


Lithium Battery Activation



Anti-shock Design

### Application Diagram



### Technical Data

MODEL	HIN6200S
PHASE	1-Phase In /1-Phase Out
Maximum PV Input Power	6500W
Maximum Main Output Power	6200VA/6200W
Maximum Second Output Power	6200VA/6200W
Maximum Total Output Power	6200VA/6200W
Parallel Capability	NO
Lithium Battery activation	YES ( By PV or Utility)
Lithium Battery communication	YES(RS485)
<b>AC INPUT</b>	
Nominal Voltage	230VAC
Acceptable Voltage Range	170-280VAC(For personal Computer);90-280VAC(For Home Appliances)
Frequency	50/60 Hz (Auto sensing)
<b>AC OUTPUT</b>	
Nominal Voltage	220/230VAC±5%
Surge Power	12400VA
Frequency	50/60 Hz
Waveform	Pure Sine wave
Dual Outputs	Yes
Transfer Time	10ms(For personal Computer);20ms(For Home Appliances)
Peak Efficiency	94%
Overload Protection	5s@ > =140% load; 10s@100%~140% load
Admissible Power Factor	0.6~1 (inductive or capacitive)
<b>BATTERY</b>	
Battery Voltage	48VDC
Floating Charge Voltage	54VDC
OverCharge Protection	63VDC
Charging Method	CC/CV
<b>SOLAR CHARGER &amp; AC CHARGER</b>	
Solar Charger TYPE	MPPT
Max.PV Array Power	6500W
Max. PV Array Open Circuit Voltage	500VDC
PV Array MPPT Voltage Range	60VDC~500VDC
Max. Solar Input Current	1 / 27A
Max. Solar Charge Current	120A
Max. AC Charge Current	80A
Max. Charge Current	120A
<b>PHYSICAL</b>	
Dimensions, D x W x H(mm)	438x312x122
Package Dimensions, D x W x H(mm)	540x390x210
Net Weight (Kgs)	11
Communication Interface	RS485(RJ45)/RS232(DB9)
<b>ENVIRONMENT</b>	
Operating Temperature Range	-10°C to 50°C
Storage temperature	-15°C~ 60°C
Humidity	5% to 95% Relative Humidity (Non-condensing)

\*Product specifications are subject to change without further notice.